

# Notice of Allowability

Application No.

10/760,942

Examiner

Rodney H. Bonck

Applicant(s)

LIU, JINTAO

Art Unit

3681

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the request for reconsideration filed April 13, 2005.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ The drawings filed on 13 April 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 04282005.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

The following action is in response to the request for reconsideration received April 13, 2005.

***Allowable Subject Matter***

Claims 1-12 are allowed.

***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance:

The arguments set forth in the request for reconsideration of April 13, 2005 are persuasive. It is agreed that the "projection" called for in the claims must be a separate element from the outer face of the cam that forms the constricting channel. The rejection under 35 USC 102/103 based on Denis('557) relies on the projection as being one of the cam lobes on the outer face that forms the constricting channel. After reconsideration it is agreed that Denis('557) does not meet independent claims 1 and 12. Accordingly, the rejection is withdrawn. For the same reason, the rejection of claim 11 under 35 USC 103 based on Denis and Schwarzbich('479) is also withdrawn.

The claims are allowed because the prior art of record fails to show or render obvious an actuator as defined in claims 1 and 12 including a drive shaft having a cam, the cam having an outer face which defines a constricting channel in conjunction with the seat of the drive disc and the cam further including a projection; and a spring being disposed between the projection and the locking element.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Drawings***

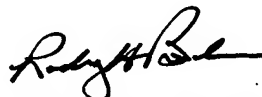
The substitute drawings were received on April 13, 2005. These drawings are acceptable. Accordingly, the previous objection to the drawings under 37 CFR 1.84(m) is withdrawn.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney H. Bonck whose telephone number is (571) 272-7089. The examiner can normally be reached on Monday-Friday 7:00AM - 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A. Marmor can be reached on (571) 272-7095. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Rodney H. Bonck  
Primary Examiner  
Art Unit 3681

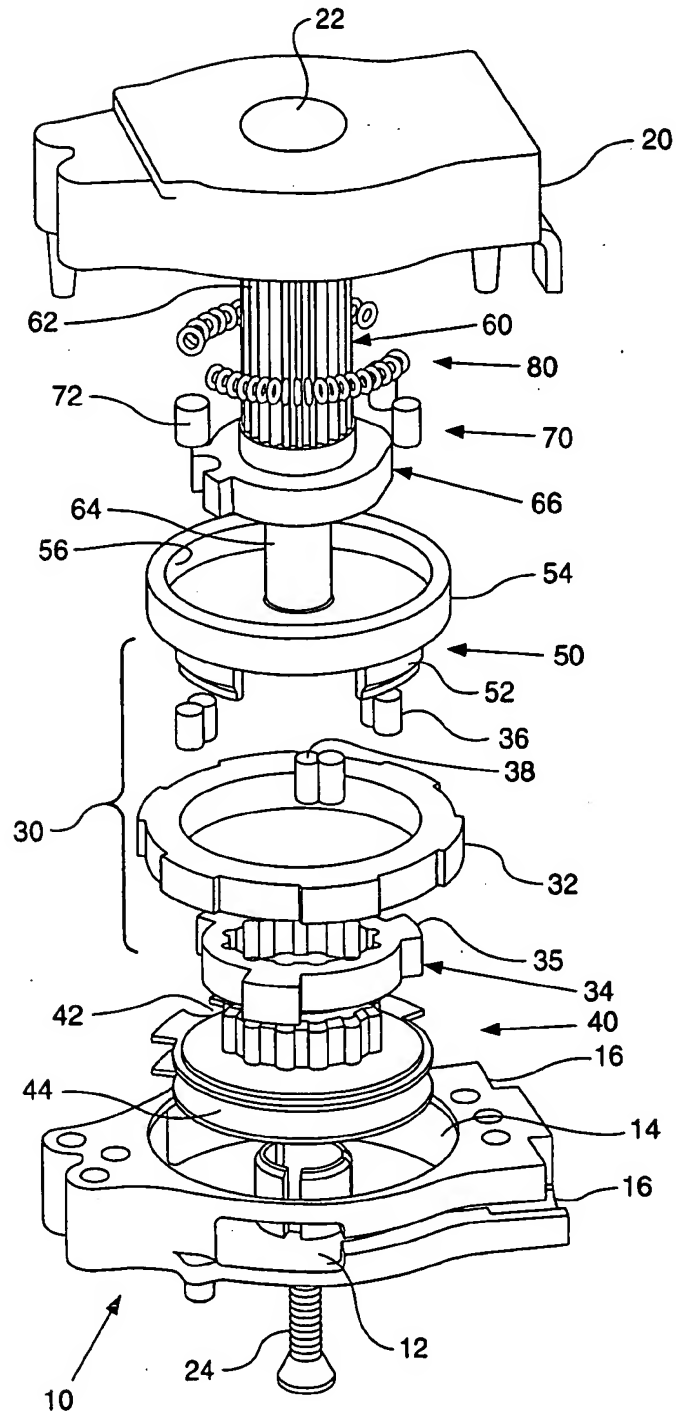
rhb  
April 28, 2005



*Approved*  
*BBB*  
*4/28/05*

1/5  
APPLICATION NO.:  
APPLICANT: Jintau Liu  
TITLE OF INVENTION: Silent Ratchet Actuator  
ATTORNEY DOCKET: 41575.017201

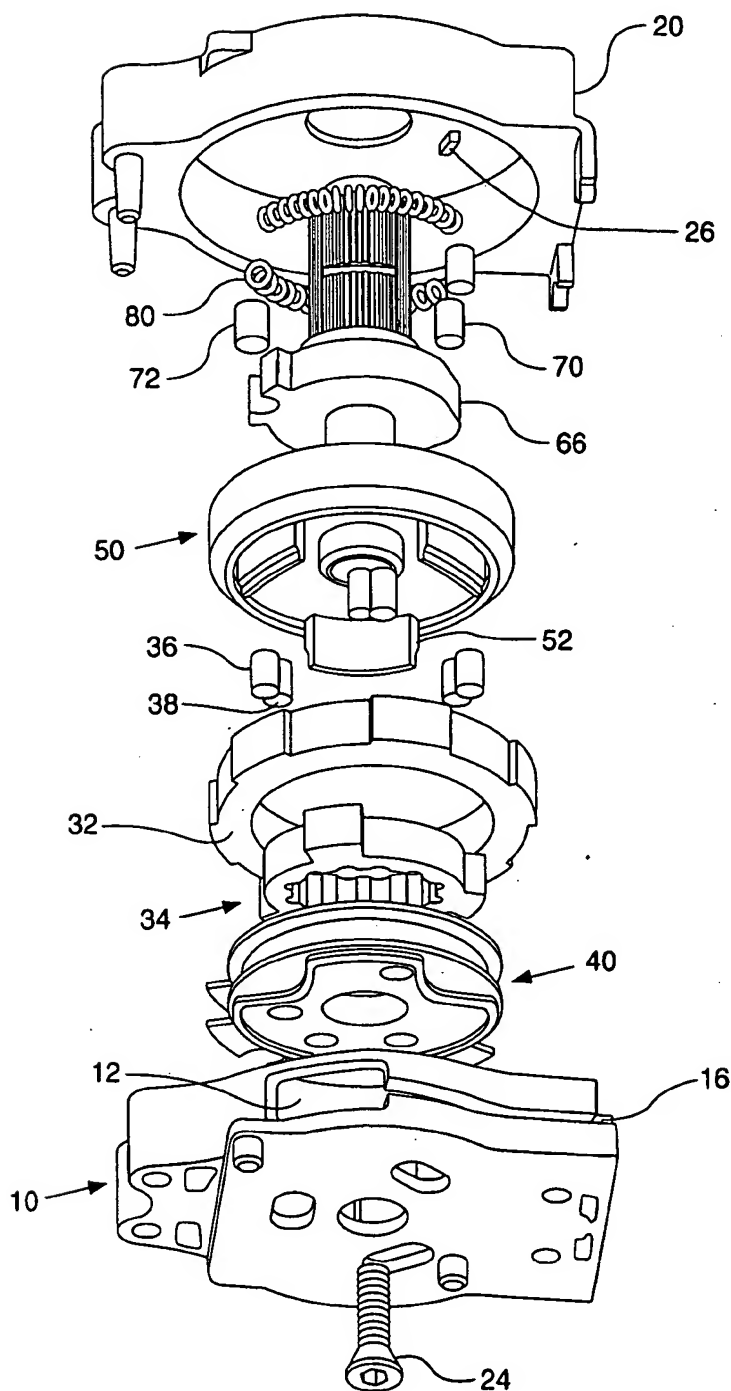
Fig. 1



Approved  
8/4/8  
04/28/05

2/5  
APPLICATION NO.:  
APPLICANT: Jintau Liu  
TITLE OF INVENTION: Silent Ratchet Actuator  
ATTORNEY DOCKET: 41575.017201

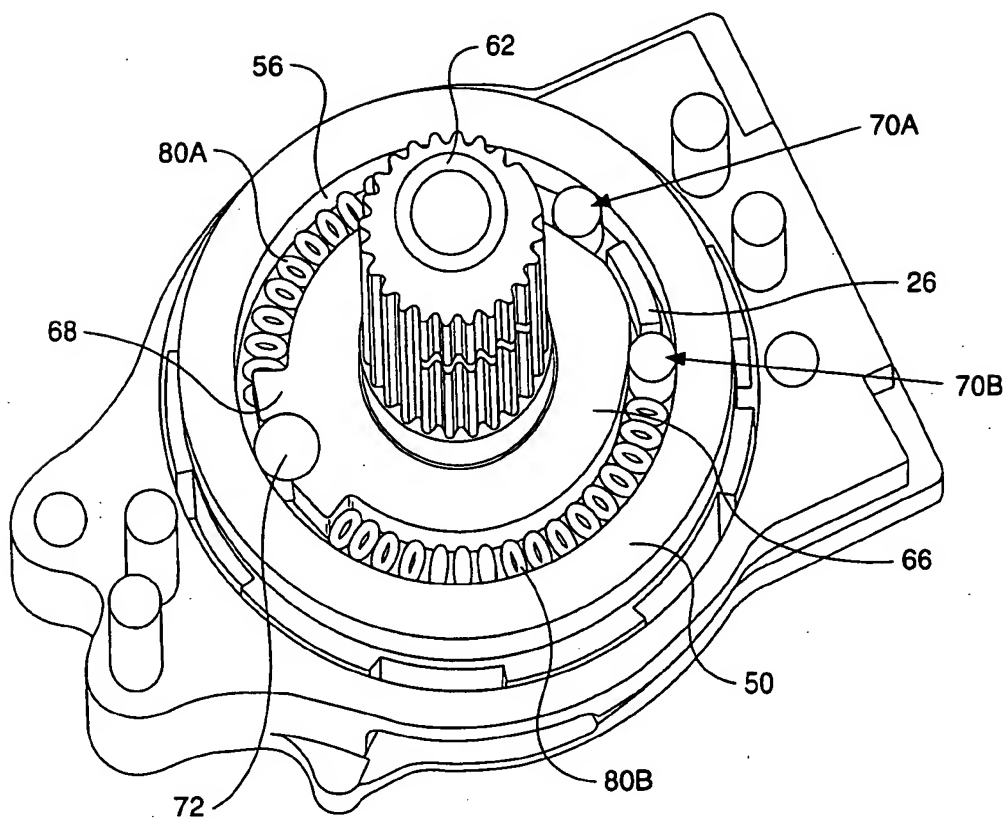
Fig. 2



Approved  
04/28/05

3/5  
APPLICATION NO.:  
APPLICANT: Jintau Liu  
TITLE OF INVENTION: Silent Ratchet Actuator  
ATTORNEY DOCKET: 41575.017201

Fig. 3



Approved  
BKB  
04/24/05

4/5  
APPLICATION NO.:  
APPLICANT: Jintau Liu  
TITLE OF INVENTION: Silent Ratchet Actuator  
ATTORNEY DOCKET: 41575.017201

Fig. 4

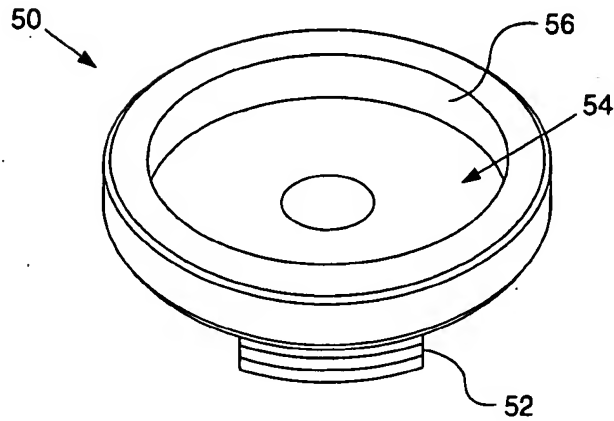
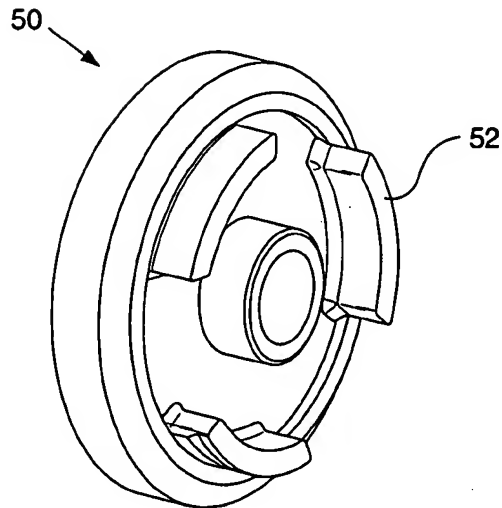


Fig. 5





Approved  
JLB  
04/29/05

S/S  
APPLICATION NO.:  
APPLICANT: Jintau Liu  
TITLE OF INVENTION: Silent Ratchet Actuator  
ATTORNEY DOCKET: 41575.017201

Fig. 6

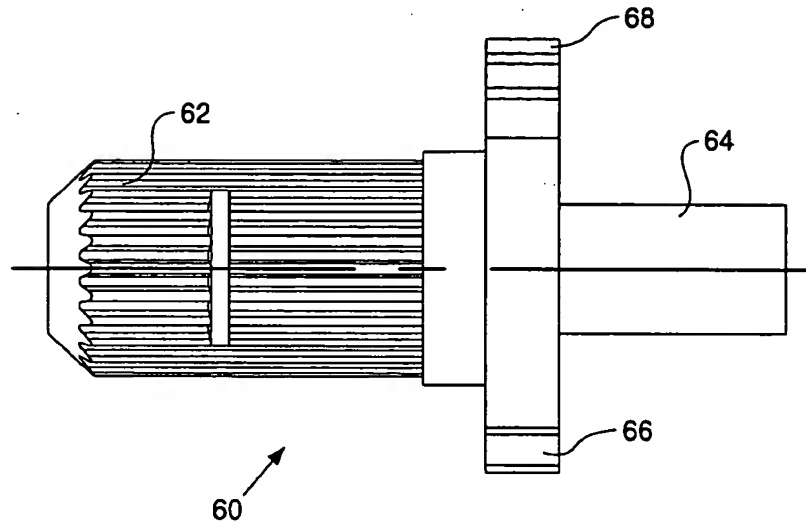


Fig. 7

